



Panasonic recommends Windows 8.

TOUGHBOOK 53

- 14" High Definition (720p) LED Display
- Sunlight-viewable Touchscreen with Panasonic CircuLumin™ Technology¹
- Oversized Touchpad with Multi Touch
- Magnesium Alloy Case with Handle
- Drop and Spill-resistant
- Optional 4G LTE Multi Carrier Mobile Broadband with Satellite GPS

Enhanced performance and versatility from the original semi-rugged laptop manufacturer.

In 1998, Panasonic created the first semi-rugged computer. Today, the Panasonic Toughbook® 53 features a 14" HD LED display, the latest Intel® Core™ processors and an oversized multi touch touchpad. Options for a sunlight-viewable Panasonic CircuLumin™ touchscreen, backlit keyboard, GPS (SiRFstarIII™), 4G LTE multi carrier mobile broadband with satellite GPS, integrated webcam and choice of insertable or contactless SmartCard reader, make this the most versatile semi-rugged PC ever.



3-FOOT
DROP RATING

MIL-STD-
810G

1.800.662.3537
panasonic.com/toughbook/53

Panasonic recommends Windows 8.

DURABILITY

- MIL-STD-810G certified (3' drop, shock, vibration, dust, altitude, high/low temperature, temperature shock, humidity)
- Spill-resistant keyboard
- Optional hard drive heater
- Magnesium alloy case with handle
- Shock-mounted flex-connect hard drive with quick-release
- Pre-installed replaceable screen film¹

SOFTWARE

- Windows® 8 Pro 64-bit (with Windows® 7 downgrade option)
- Panasonic Utilities, Recovery Partition

CPU²

- Intel® Core™ i5-3340M vPro™ Processor
 - 2.7GHz with Turbo Boost up to 3.4GHz
 - Intel Smart Cache 3MB

STORAGE & MEMORY

- 4GB or 8GB SDRAM [DDR3L-1333MHz]^{3,4}
- Shock-mounted flex-connect hard drive with quick-release
 - 500GB 7200rpm (Elite model), 320GB 5400rpm (Lite model)⁴
 - Optional hard drive heater
 - Optional 128GB, 256GB and 512GB reinforced flex-connect SSD with heaters⁴

DISPLAY

- 14.0" High Definition (720p) LED 1366 x 768
- Optional touchscreen⁵
 - Panasonic CircuLumin™ technology (2-850 nit, AR and AG screen treatments, circular polarizer)
- Anti-reflective and anti-glare screen treatments
- Video controller: Intel® QM77
 - max. 1416MB shared VRAM with 32-bit⁶
 - External video support up to 1920 x 1200 at 16.7 million colors
- Concealed mode (configurable)

AUDIO

- Intel® high-definition audio compliant
- Integrated stereo speakers
- Keyboard volume and mute controls

KEYBOARD & INPUT

- Touchscreen with integrated stylus holder¹
- 87-key with dedicated Windows® key
- Oversized electrostatic touchpad with multi touch support
- Optional backlit emissive keyboard

MULTIMEDIA BAY

- DVD Super MULTI Drive

EXPANSION SLOTS

- PC card type II x 1
- SD card (SDXC)
- ExpressCard/54 x 1

INTERFACE

■ Docking connector	Dedicated 100-pin
■ HDMI	Type A
■ VGA	D-sub 15-pin
■ Headphones/speaker	Mini-jack stereo
■ Microphone/line in	Mini-jack stereo
■ Serial	D-sub 9-pin
■ USB 3.0 (x 2), USB 2.0 (x 2)	4-pin
■ Optional IEEE 1394a (FireWire) ^{5,7}	4-pin
■ 10/100/1000 Ethernet	RJ-45
■ Optional 10/100 2nd LAN (Ethernet) ^{5,7}	RJ-45
■ Optional 56K Modem ^{5,7}	RJ-11

WIRELESS

- Optional integrated 4G LTE multi carrier mobile broadband with satellite GPS
- Optional GPS [SiRFstarIII]⁸
- Intel® Centrino® Advanced-N 6235 802.11a/b/g/h
- Bluetooth® v4.0 + EDR (Class 1)
- Security
 - Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP
 - Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AES
- Optional dual high-gain antenna pass-through⁷
- Slide on/off switch

POWER SUPPLY

- Battery operation⁹
 - Elite model—11 hours (long life battery)
 - Lite model—8 hours (lightweight battery)
- Battery charging time: 2 hours⁹
- Long life Li-Ion battery pack (10.8V, typical 6750mAh, minimum 6300mAh)
- Lightweight Li-Ion battery pack (10.8V, typical 4500mAh, minimum 4200mAh)
- AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply

POWER MANAGEMENT

- Suspend/Resume Function, Hibernation, Standby, ACPI BIOS

SECURITY FEATURES

- Password Security: Supervisor, User, Hard Disk Lock
- Kensington cable lock slot
- Trusted platform module (TPM) security chip v.1.2
- Computrace® theft protection agent in BIOS⁹
- Intel® Anti-Theft Technology
- Optional fingerprint reader^{5,10}
- Optional insertable SmartCard reader
- Optional 13.56MHz contactless SmartCard/RFID reader^{5,10}
 - ISO 15693 and 14443 A/B compliant



WARRANTY

- 3-year limited warranty, parts and labor

DIMENSIONS & WEIGHT

- 11.1"(L) x 13.4"(W) x 1.8-2.2"(H)
- 5.6 lbs. (Lite model), 5.8 lbs. (Elite model), 6.5 lbs. (Elite model with touch)

INTEGRATED OPTIONS¹¹

- 4G LTE multi carrier mobile broadband with satellite GPS
- GPS [SiRFstarIII]^{5,7}
- 720P webcam and digital mic⁵
- Backlit emissive keyboard
- 2nd LAN (10/100) or FireWire or RJ-11 Modem or Dual antenna pass-through^{5,7}
- Insertable SmartCard reader
- Contactless SmartCard/RFID reader^{5,10}
- Fingerprint reader^{5,10}
- Hard drive heater
- 128GB, 256GB and 512GB solid state drives (SSD) with heaters

SELECT ACCESSORIES¹¹

■ AC Adapter (3-prong)	CF-AA5713AM
■ Long Life Battery Pack	CF-VZSU71U
■ Lightweight Battery Pack	CF-VZSU72U
■ Battery Charger	CF-VCBTB2W
■ LIND 3-Bay Battery Charger	PACH329-1857-P
■ LIND Car Adapter 120W	CF-LNDDC120
■ ToughMate Always-on 53 Case	TBC53AOCS-P
■ ToughMate ComUniversal Carrying Case (large capacity)	TBCCOMUNV-P
■ ToughMate Backpack	TBCBPK-P
■ Memory Card 4GB DDR3	CF-WMBA1204G
■ Desktop Dock	CF-VEB531U
■ Vehicle Docks (no pass-through) <ul style="list-style-type: none"> Gamber-Johnson with LIND power supply Havis with LIND power supply 	7160-0393-04-P CF-H-PAN-412-P
■ Vehicle Docks (dual pass-through) <ul style="list-style-type: none"> Gamber-Johnson with LIND power supply Havis with LIND power supply 	7160-0393-06-P CF-H-PAN-412-2-P
■ Touchscreen Replacement Stylus	CF-VNP009U
■ Tether	CF-VNT002U
■ 14.0" LCD Protector Film	CF-VPF17U

Please consult your reseller or Panasonic representative before purchasing.

Touchscreen model only.

¹An Intel® Core™ i7 processor is also available.

²Total usable memory will be less depending upon actual system configuration.

³1GB = 1,000,000,000 bytes.

⁴Not available on Lite model.

⁵The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM. Windows 7 64-bit max. VRAM is 1696MB with 4GB of memory.

⁶GPS comes standard with dual pass. GPS is not available with FireWire, RJ-11 or 2nd LAN.

⁷Battery performance features such as charge time and life span can vary according to the conditions under which the computer and battery are used. Battery operation and recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery testing results from MobileMark 2007.

⁸Requires software and activation to enable theft protection.

⁹Fingerprint and contactless SmartCard are mutually exclusive.

¹⁰Accessories and Integrated Options may vary depending on your notebook configuration. Visit Panasonic website for more accessories and details.

1.800.662.3537

panasonic.com/toughbook/53

SOLUTIONS FOR BUSINESS